

DuraGhard Base Coat II is a two component, fast setting, fast curing, solvent free, flexible, high performance, and high solids polyurethane elastomeric coating that can be applied to suitably prepared interior or exterior concrete, plywood and metal surfaces. Due to its fast gel time, DuraGhard Base Coat II is suitable for applications in temperatures as low as 20°F (-6°C). It may be applied in a single or multiple applications. DuraGhard Base Coat II is also relatively insensitive to moisture and temperature allowing applications in varied temperatures and humidity.

FEATURES & BENEFITS

- Non-Gassing
- Can Be Applied At Any Thickness
- Meets USDA Criteria
- Recoatable
- Good Thermal Stability
- Excellent Low Temperature Flexibility
- Seamless
- Good Chemical Resistance
- Interior and Exterior Applications

TYPICAL USES

- Vehicular Traffic Areas
- Expansion Joints
- Kennel Runs
- Exterior & Interior Pedestrian Traffic Surfaces such as Walkways, Patios and Stairways
- Interior Surfaces such as Floors and Mechanical Rooms
- Sundecks & Balconies
- Crack Repairs
- Stalls, Wash Racks

DIRECTION OF USE

Surface Preparation:

Refer to general guidelines for complete information.

Mixing:

NOTE: DuraGhard Base Coat II may not be diluted under any circumstances. Proportions are premeasured.

Using a mechanical mixer, first pre-mix separately Part-A and Part-B base material thoroughly to obtain a uniform color, making sure to scrape the solids from the bottom and sides of the pail.

Pour Part-B into Part-A slowly and while mixing, scrape the sides of the container. Mix for 1-2 minutes. Box the materials. Mix the combined Part-A and Part-B mixture thoroughly until uniform color is obtained.

Do not mix in an up and down motion.

DuraGhard Base Coat II should be applied at a temperature of 20°F (-6°C) and above. For best results, use a squeegee or notched trowel. A phenolic resin core roller may be used but extra care should be taken not to trap air which may result in bubbles. Requires a continuous coating application to minimize lines and/or streaking. It is recommended to apply an aggregate of washed, dry, rounded sand, approximately 16 or 20 mesh (0.0331-0.0469 in.; 0.84-1.19 mm), 6.5+ Moh's minimum hardness at a rate of 20 lbs/100 sq. ft. or as required to achieve a slip-resistant finish, into the wet second coat, covering it completely. An aggregate of 14-30 rubber granules may be broadcast into the membrane at a rate of 10 lbs. per 100 sq. ft. or to refusal. The amount of rubber used will vary.

Curing:

At 75°F (24°C) and 50% relative humidity, allow each coat to cure for 2-4 hours before proceeding subsequent coats. Cure time will vary depending on temperature and humidity. If more than 48 hours passes between coats, re-prime the surface with Polyprime U before proceeding.

Equipment Cleanup:

Equipment should be cleaned with an environmentally safe, polyurethane-grade solvent (alcohol free) as permitted under local regulations immediately after use.

Storage:

DuraGhard Base Coat II has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

Limitations:

The following conditions must not be coated with Ghemco deck coatings or systems: split slabs, buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, magnesite, and lightweight concrete. On grade slabs may receive Ghemco system coatings provided a moisture-vapor transmission test is first performed. Please contact Ghemco technical department with the results.

With regard to coating asphalt surfaces, please contact Ghemco technical department.

Surfaces must be dry, clean and free of foreign matter. Clear coating may turn opaque and cloudy due to moisture penetration, especially in exterior applications. Surface may be slippery when wet. Containers that have been opened must be used as soon as possible. Do not dilute under any circumstance.

Warning:

This product contains Isocyanates and Curative Material.

TECHNICAL DATA

Packaging	<p>5 gallon kit: One 5 gallon pail, net fill 4 gallons (15.12 liters) of Part-A and One 1 gallon (3.78 liters) can of Part-B.</p> <p>1 gallon kit: One 1 gallon can, net fill 0.8 gallons (3 liters) of Part-A and One quart can, net fill 0.2 gallons (0.78 liters) of Part-B.</p>
Coverage Rate per gallon	DuraGhard Base Coat II may be applied at any rate to achieve desired thickness.
Color	Grey. Tan color is available with minimum order of 250 gallons (945 liters). Custom colors are also available. Minimum order of 250 gallons (945 liters). See color chart for special provisions. Contact Ghemco for more information.
Mix Ratio by Volume	4A : 1B
Coverage Rate	1 gal/100 sq. ft.
Dry Film Thickness per Coat	15 ± 2 mils (381 ± 50 microns)
Hardness, ASTM D-2240	64 ± 2 Shore A
Tear Resistance, Die C, ASTM D-624	230 ± 25 pli (40.3 ± 4.4 kN/m)
Split Tear, ASTM D-470	60 ± 5 pli (10.5 ± 0.9 kN/m)
Tensile Strength, ASTM D-412	1500 ± 100 psi (10.3 ± 0.7 MPa)
Ultimate Elongation, ASTM D-412	1000 ± 100%
Total Solids by Weight, ASTM D-2369	94%
Total Solids by Volume, ASTM D-2697	95%
Viscosity at 75°F (24°C)	
Side-A	2500 ± 500 cps
Side-B	100 ± 50 cps
Volatile Organic Compounds*, ASTM D-2369-81	< 0.04 lb/gal (< 5 gm/liter)
* Contains some high boiling colorless plasticizers	

SAFETY

Review the Safety Data Sheets (SDS) and container labels for detailed health and safety information. This product is intended for industrial use by properly trained professional applicators only.

VAPOR INHALATION

The best form of protection against organic solvents or potentially sensitizing vapors in the workplace is a fresh air supply. Numerous manufacturers, including the 3M Company and MSA, make full face fresh air masks. For maximum protection, we recommend use of NIOSH/ MSHA approved self-contained breathing apparatus with a full-face piece operated in a positive pressure mode. In well-ventilated application conditions, the use of Type C organic vapor cartridge respirators is acceptable.

SKIN CONTACT

To prevent excessive skin contact with the sprayed product, we recommend use of fabric coveralls and neoprene or other resistant gloves.

EYE CONTACT

Wear a full-face mask or OSHA-approved protective goggles.

FIRST AID CONSIDERATION

Vapor inhalation problems are characterized by coughing, shortening of breath and tightness in the chest. Anyone exhibiting these types of symptoms should be immediately removed from the workplace and administered oxygen or fresh air. If the condition is prolonged or extreme, SUMMON EMERGENCY TRAINED MEDICAL ATTENTION IMMEDIATELY.

Effects of overexposure to vapor are characterized by nasal and respiratory irritation, dizziness, nausea, headache, fatigue, possible unconsciousness or even asphyxiation. If ingested and the victim is conscious, give large amounts of water or milk to drink. Obtain medical attention immediately. Skin contact with liquid components can result in a rash or other irritation. Wash the affected skin area with water. Wipe residual liquid from the skin with a clean cloth, then wipe the affected area with 30% solution of rubbing alcohol. Follow the alcohol wipe with repeated washings with soap and water. If a rash or other irritation develops, see a physician.

Eye contact with liquid or sprayed components can result in corneal burns or abrasions. Upon exposure, eyes should be flushed with water for an extensive period. SUMMON EMERGENCY TRAINED MEDICAL ATTENTION IMMEDIATELY.

Please read all information in the general guidelines, technical data sheets, application guide, and safety data sheets (SDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local GHEMCO representative or visit our website for current technical data and instructions. **DISCLAIMER:** All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and tests, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazards listed herein are the only ones that may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether verbal or in writing, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and GHEMCO makes no claim that these tests or any other tests, accurately represent all environments.